

URBAN WATER SUPPLY AND CLIMATE CHANGE: OPPORTUNITIES AND CHALLENGES FOR ADAPTATION TECHNOLOGIES

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ABSTRACT

One of the largest impacts of climate change is likely to be on water resources and their management and Asian countries, with large populations concentrated in coastal cities, are particularly vulnerable. The paper examines the nexus between climate change and the urban water sector, and the role of adaptation technologies, including infrastructure, equipment, knowledge and practices. Some countries have developed progressive water policies and practices in order to overcome their limited water resource base. Given the potential impacts of climate change on water resources, the paper analyzes the scope and limitations of these existing as well as new water management policies and technologies for the development and implementation of adaptation measures. The paper supports the transposition of successful practices, even though adaptation processes, and the constraints on adaptation, are context specific, and identifies such opportunities.

PALAVRA-CHAVE: climate change adaptation, Technologies, urban water sector